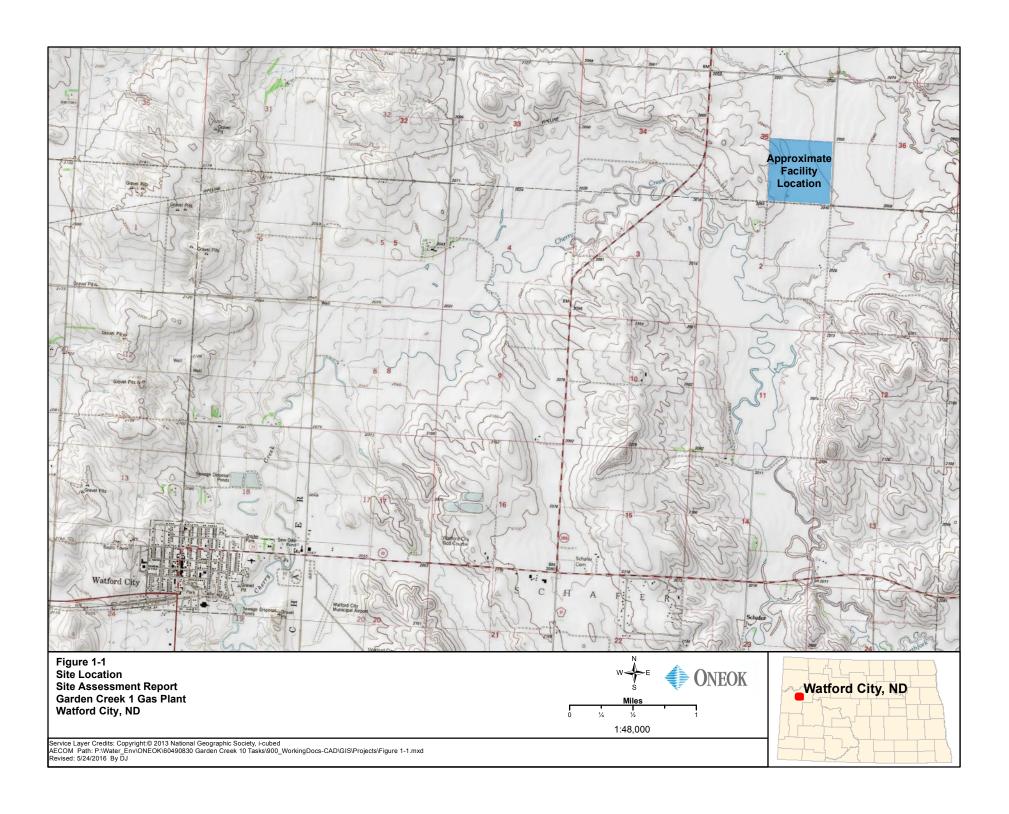
# **Figures**



Garden Creek 1 Gas Plant Watford City, ND



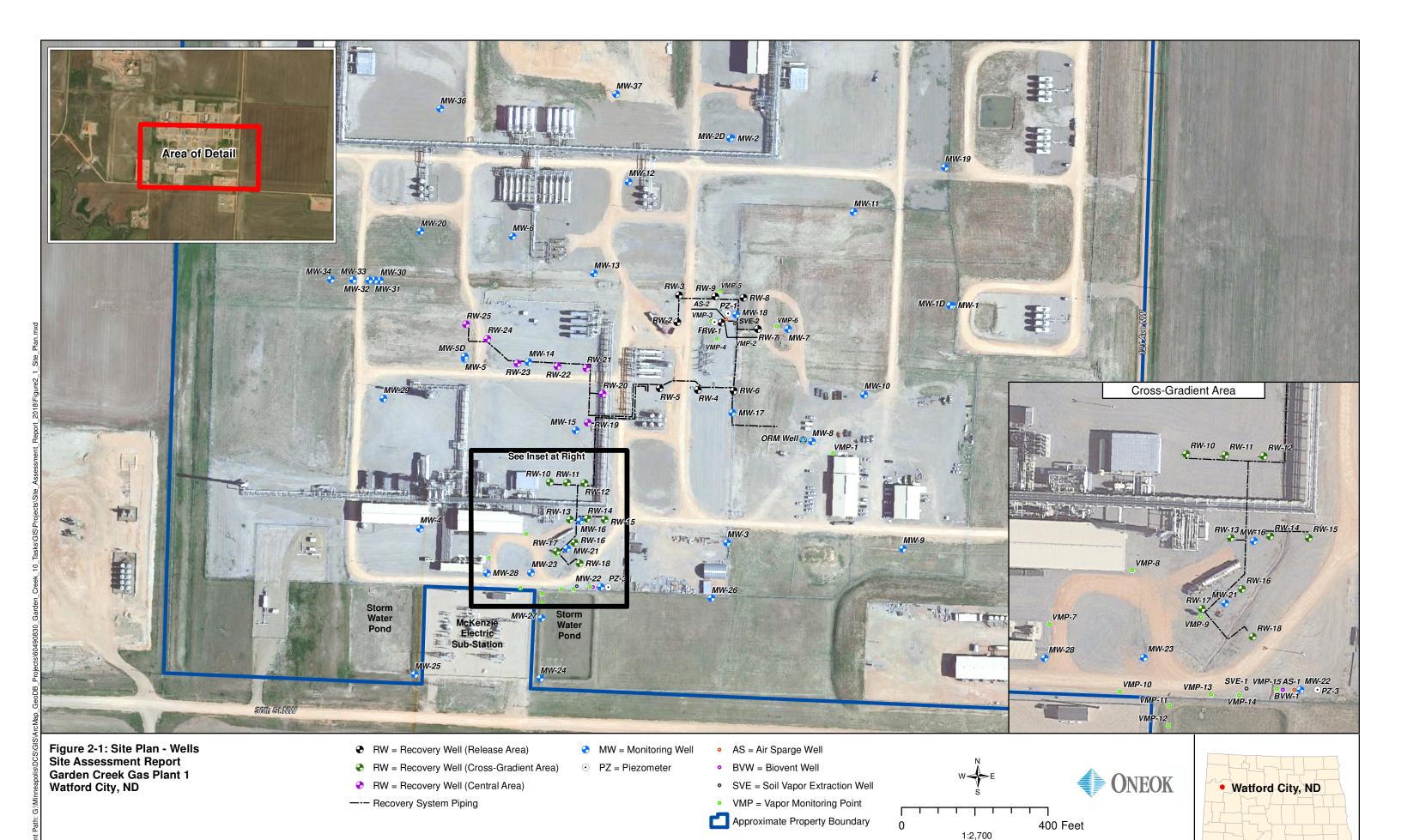
Underground Water

Approximate McKenzie Electric Transmission Line R/W (From Bear Paw Energy, Inc Drawing No. 3710376BAS01)



100 200 1:4,200

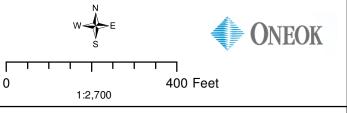




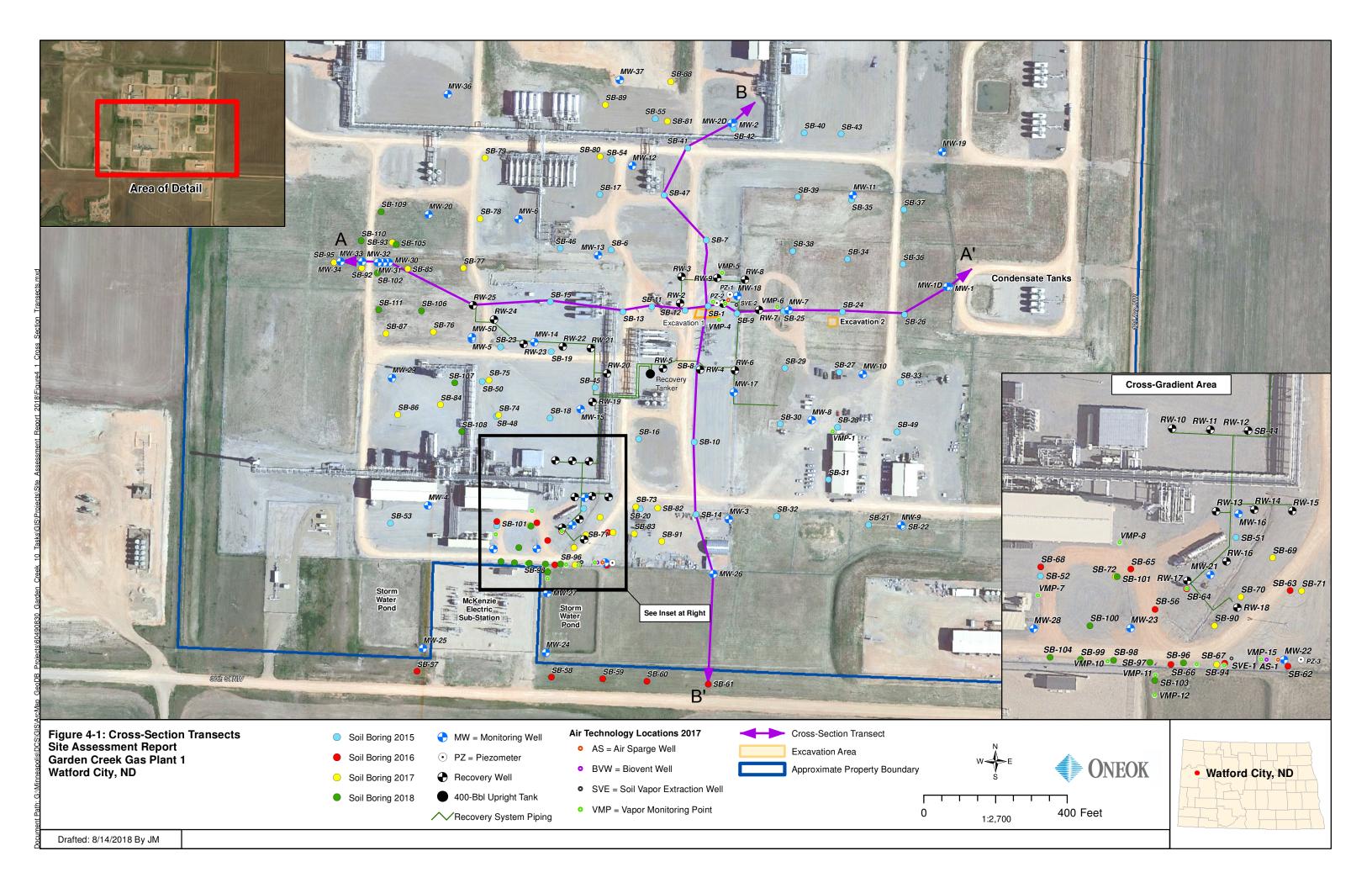


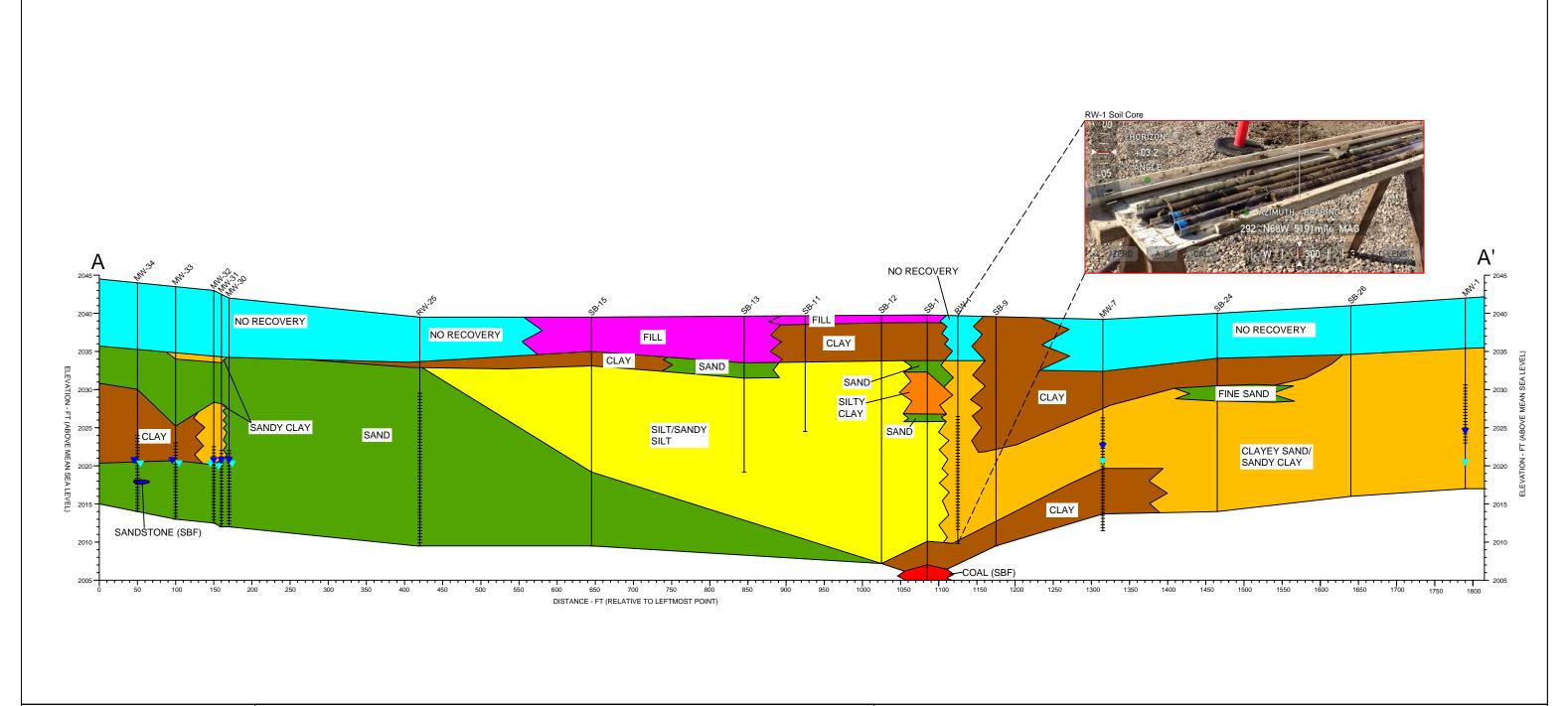
Garden Creek Gas Plant 1 Watford City, ND

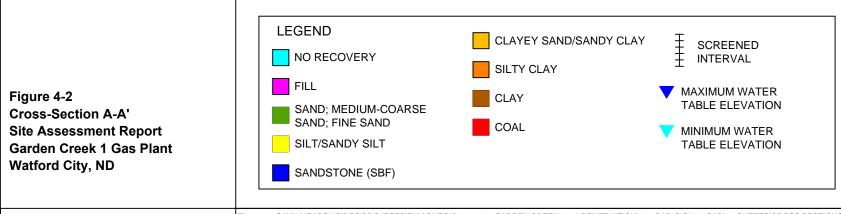
- SB = Soil Boring (2015)
- SB = Soil Boring (2016)
- SB = Soil Boring (2017)
- SB = Soil Boring (2018)



Watford City, ND







## Vertical Scale 1":12.5' Horizontal Scale 1":125'

#### Note

- 1) No recovery is due to hydrovac excavations.
- 2) Fill is comprised of gravel/scoria.
- 3) Sandy clay/clayey sand is interbedded with discontinuous sand stringers as preferential water pathways.

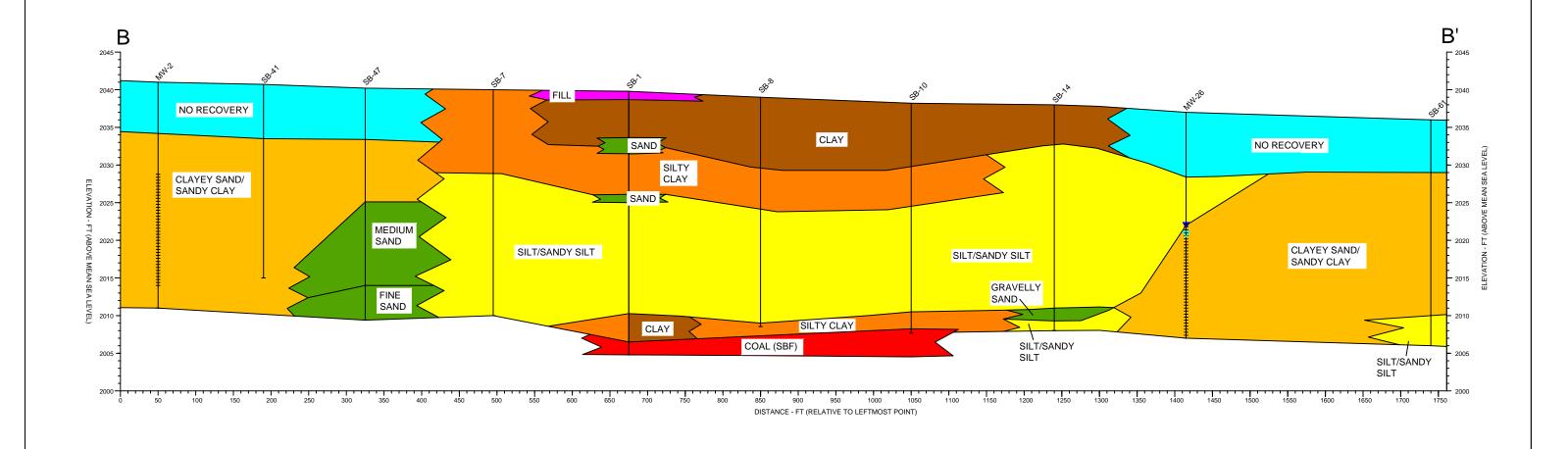
This is seen on the callout box for RW-1 (alternating tan and black lithologies).

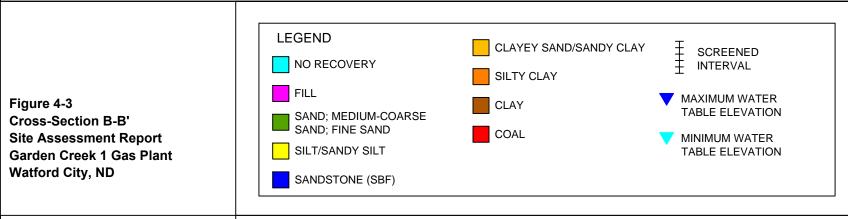
- 4) ft = feet; SBF = Sentinel Butte Formation
- 5) Minimum and maximum groundwater elevations were only included for monitoring wells that are gauged monthly



Drafted: 6/19/2018 by BJK

Filename: G:\MINNEAPOLIS\DCS\PROJECTS\ENV\ONEOK\60559983 GARDEN CREEK 2018 REMEDIATION\900-CAD-GIS\910-CAD\20-SHEETS\CROSS SECTIONS.DWG





Vertical Scale 1":12.5' Horizontal Scale 1":125'

#### Note

- 1) No recovery is due to hydrovac excavations.
- 2) Fill is comprised of gravel/scoria.
- 3) Sandy clay/clayey sand is interbedded with discontinuous sand stringers as preferential water pathways.

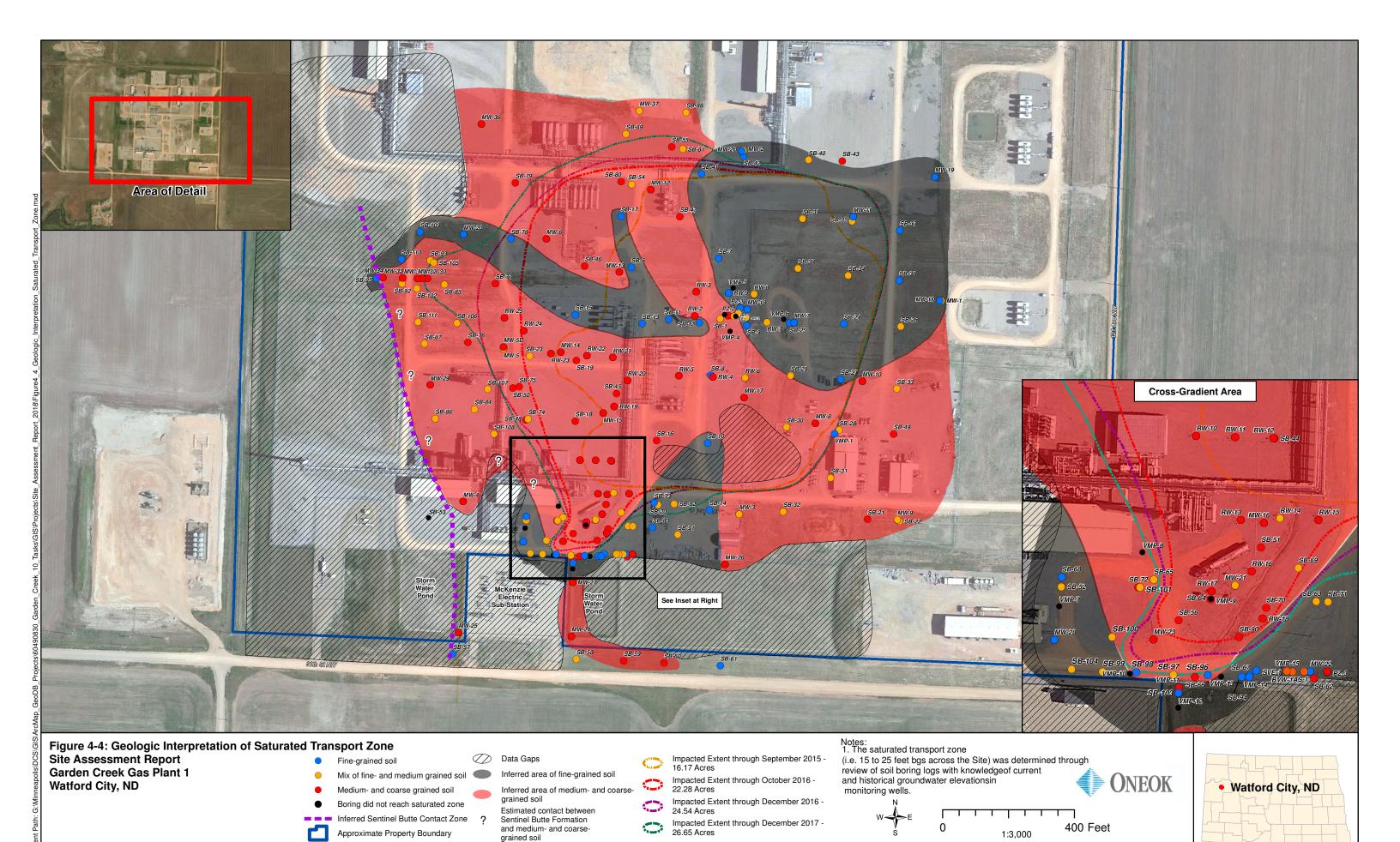
This is seen on the callout box for RW-1 (alternating tan and black lithologies).

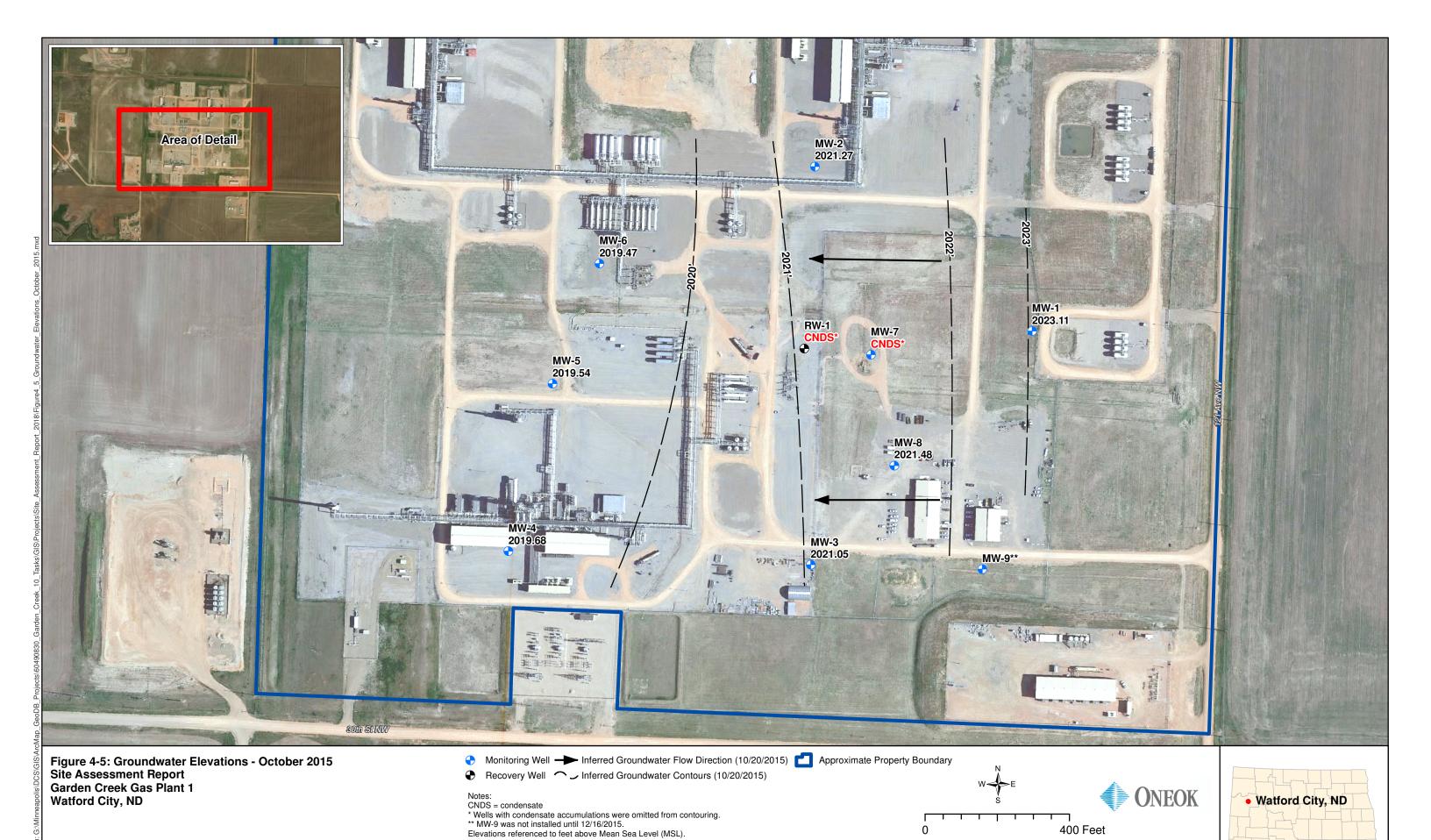
- 4) ft = feet; SBF = Sentinel Butte Formation
- 5) Minimum and maximum groundwater elevations were only included for monitoring wells that are gauged monthly



Drafted: 6/21/2018 by BJK

Filename: \\NA.AECOMNET.COM\GFS\AMER\MINNEAPOLIS\DCS\PROJECTS\ENV\ONEOK\60559983 GARDEN CREEK 2018 REMEDIATION\900-CAD-GIS\910-CAD\20-SHEETS\CROSS SECTIONS.DWG





400 Feet

1:2,800

Drafted: 8/14/2018 By SB



Figure 4-6: Groundwater Elevations - December 2015 Site Assessment Report Garden Creek Gas Plant 1 Watford City, ND

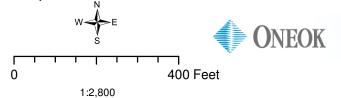
← Monitoring Well ← Inferred Groundwater Flow Direction

Recovery Well Inferred Groundwater Contours (12/21/2015)

Notes:
CNDS = condensate

\* Wells with condensate accumulations were omitted from contouring.
Elevations referenced to feet above Mean Sea Level (MSL).









400 Feet

1:2,800

Elevations referenced to feet above Mean Sea Level (MSL).

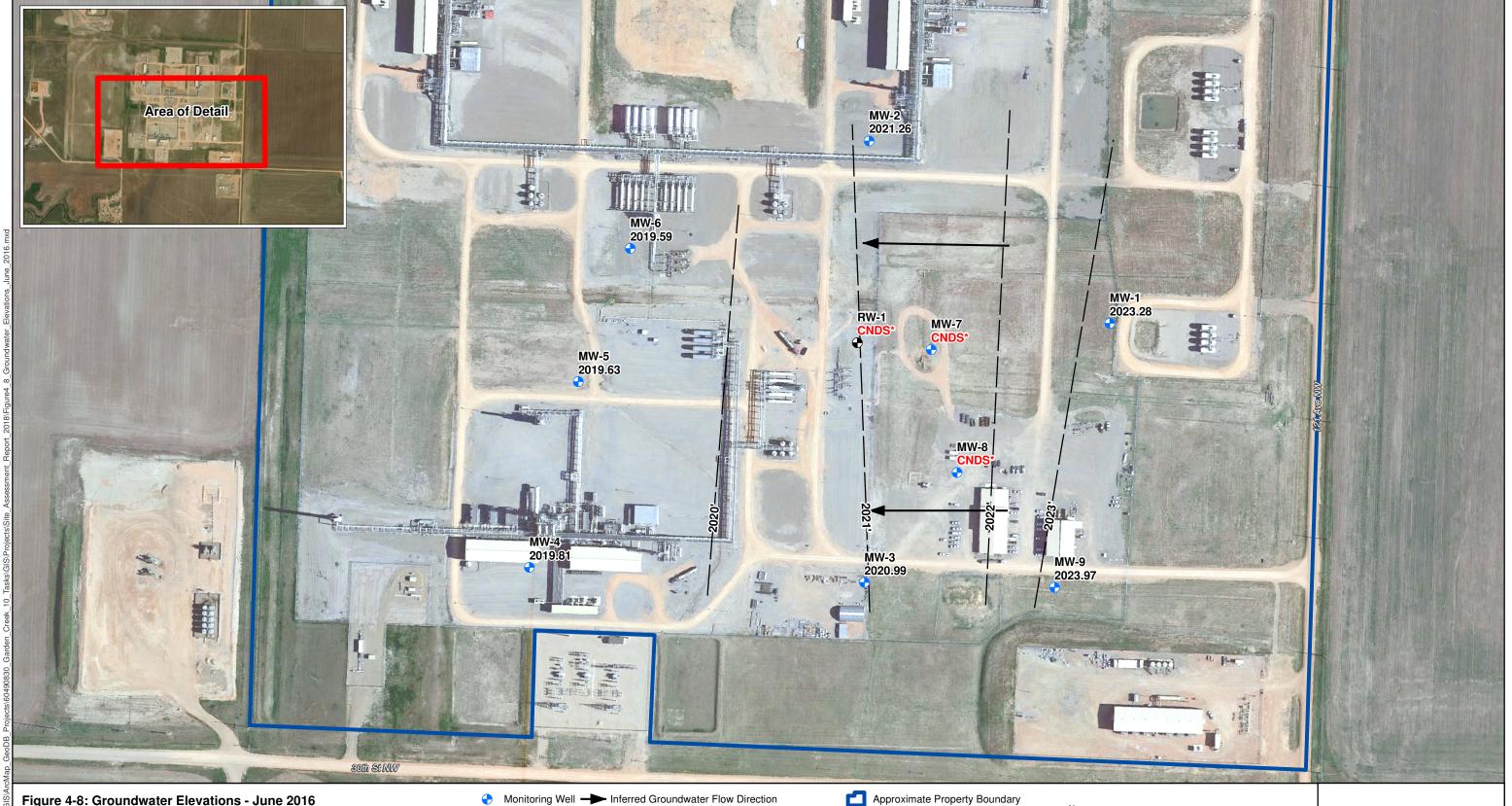
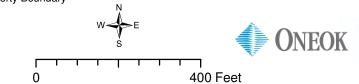


Figure 4-8: Groundwater Elevations - June 2016 Site Assessment Report Garden Creek Gas Plant 1 Watford City, ND

← Monitoring Well ← Inferred Groundwater Flow Direction Recovery Well Inferred Groundwater Contours (06/16/2016)

Notes:
CNDS = condensate

\* Wells with condensate accumulations were omitted from contouring. Elevations referenced to feet above Mean Sea Level (MSL).



1:2,800

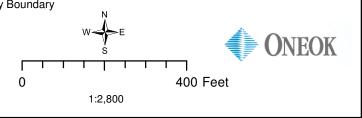
Watford City, ND

Watford City, ND

CNDS = condensate

\* Wells with condensate accumulations were omitted from contouring.

\*\* Deep monitoring wells were omitted from contouring. Elevations referenced to feet above Mean Sea Level (MSL).





Garden Creek Gas Plant 1 Watford City, ND

Notes: CNDS = condensate

\* Wells with condensate accumulations were omitted from contouring.

\*\* Deep monitoring wells were omitted from contouring.

\*\*\* Groundwater elevation was omitted from contouring due to anomalous result. Elevations referenced to feet above Mean Sea Level (MSL).



400 Feet 1:2,800



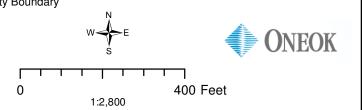
Site Assessment Report Garden Creek Gas Plant 1 Watford City, ND

Croundwater Contour

Notes: CNDS = condensate

\* Wells with condensate accumulations were omitted from contouring.

\*\* Deep monitoring wells were omitted from contouring. Elevations referenced to feet above Mean Sea Level (MSL).



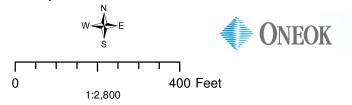


Garden Creek Gas Plant 1 Watford City, ND

Notes: CNDS = condensate

\* Wells with condensate accumulations were omitted from contouring.

\*\* Deep monitoring wells were omitted from contouring. Elevations referenced to feet above Mean Sea Level (MSL).





Garden Creek Gas Plant 1 Watford City, ND

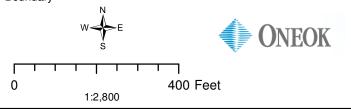
Croundwater Contour

Inferred Groundwater Contour

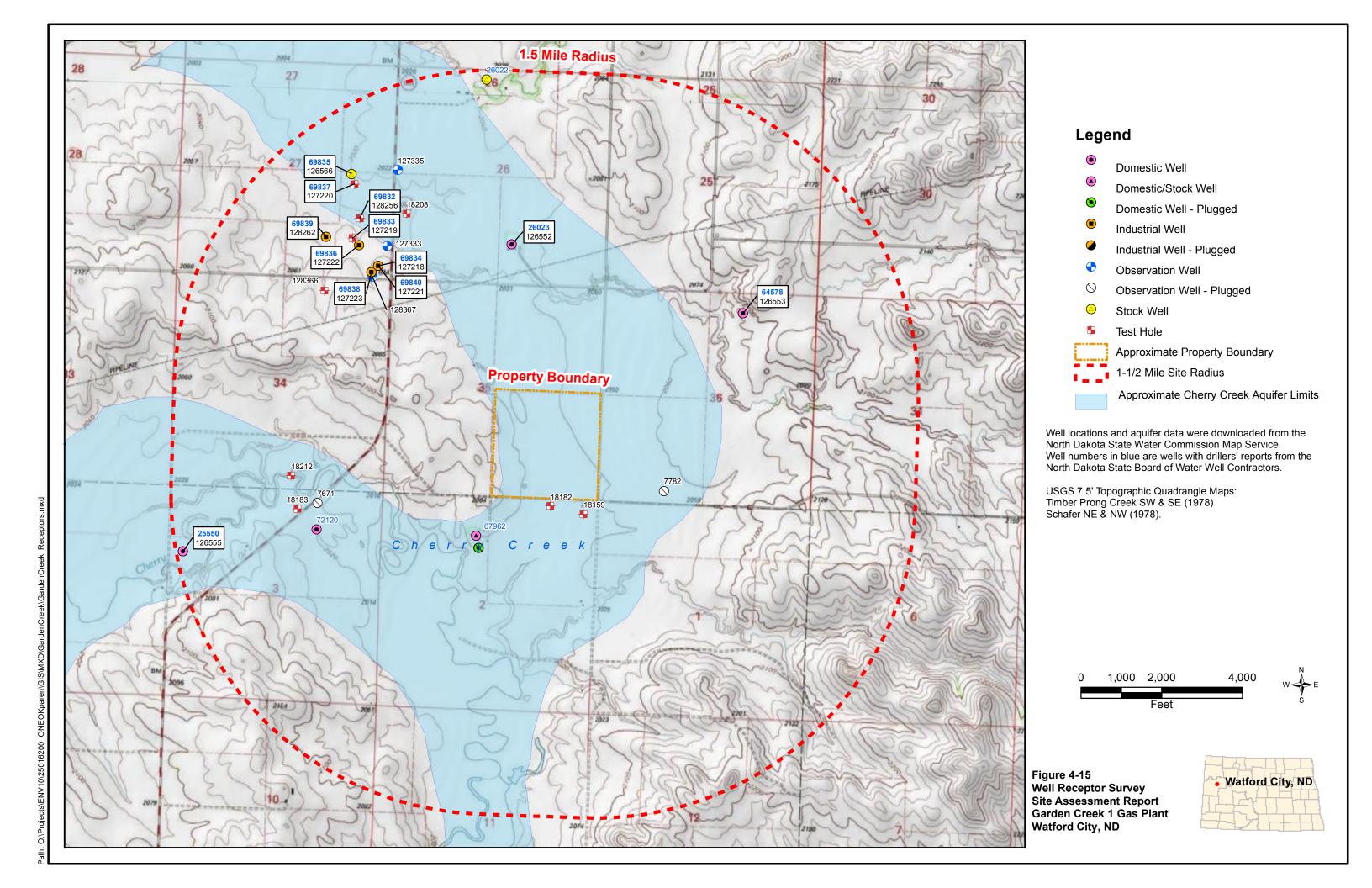
Notes: CNDS = condensate

\* Wells with condensate accumulations were omitted from contouring.

\*\* Deep monitoring wells were omitted from contouring.
Elevations referenced to feet above Mean Sea Level (MSL).







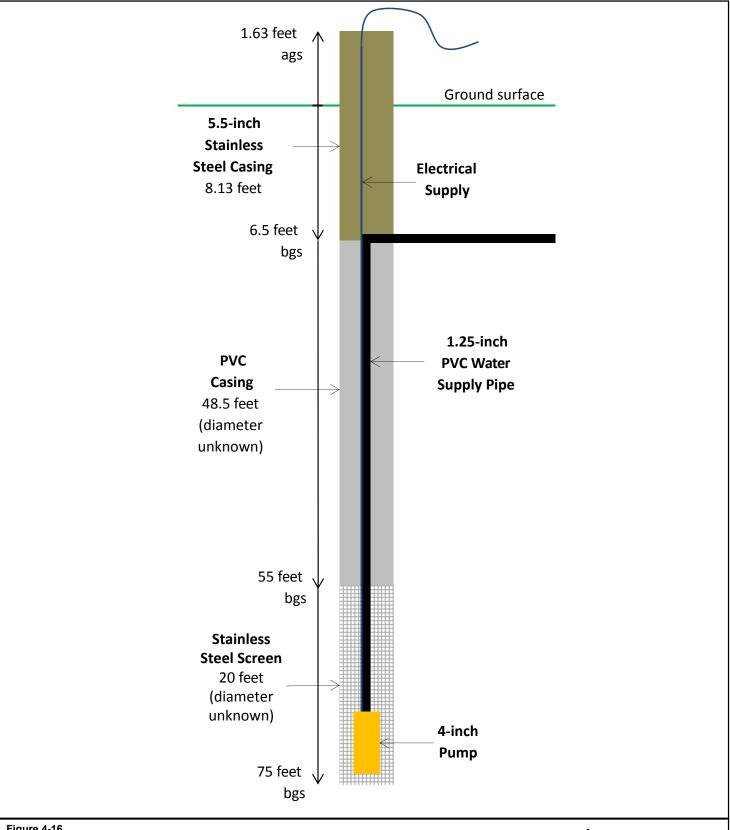


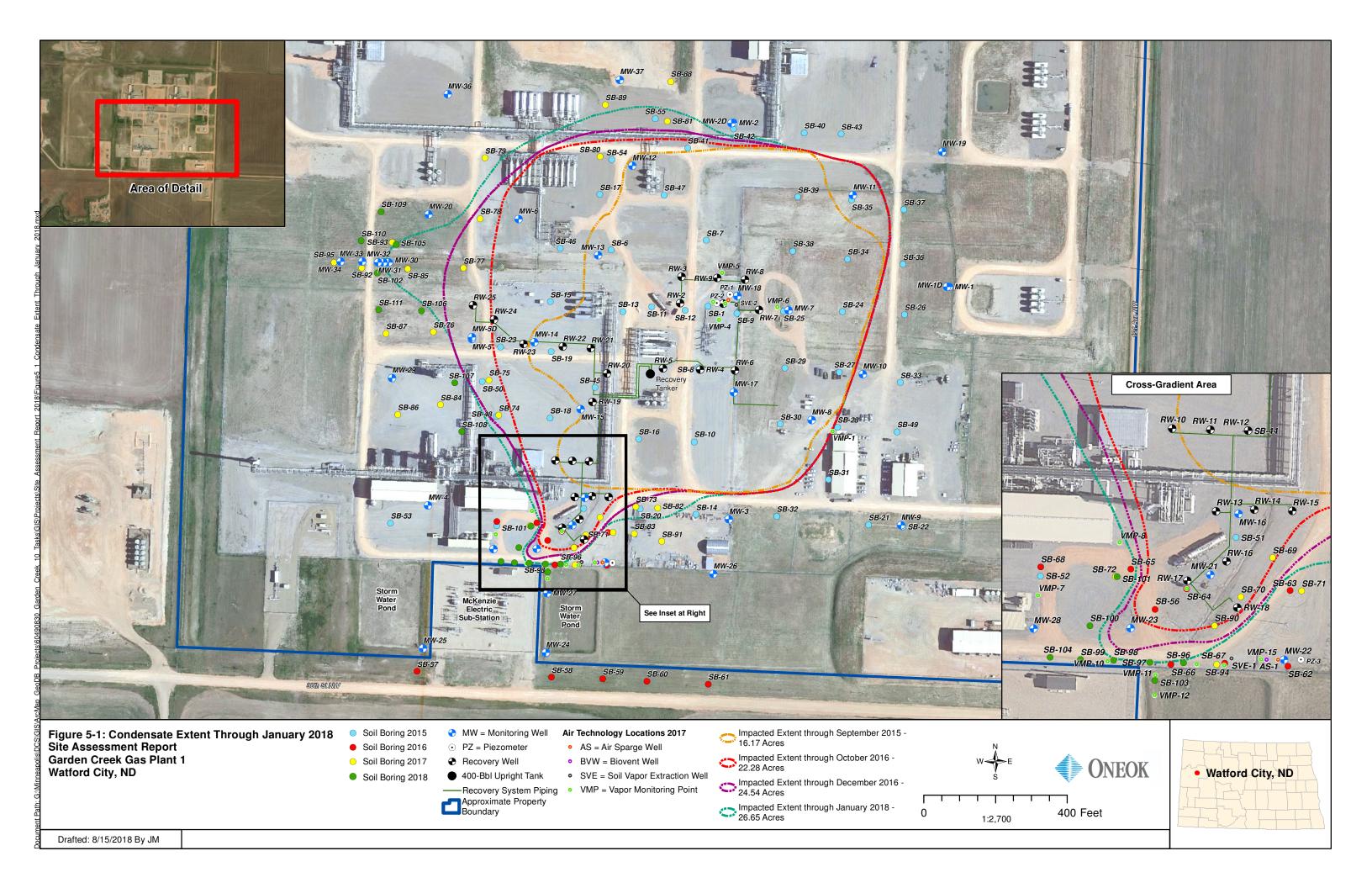
Figure 4-16 On-Site Water Supply Well Site Assessment Report Garden Creek 1 Gas Plant Watford City, ND

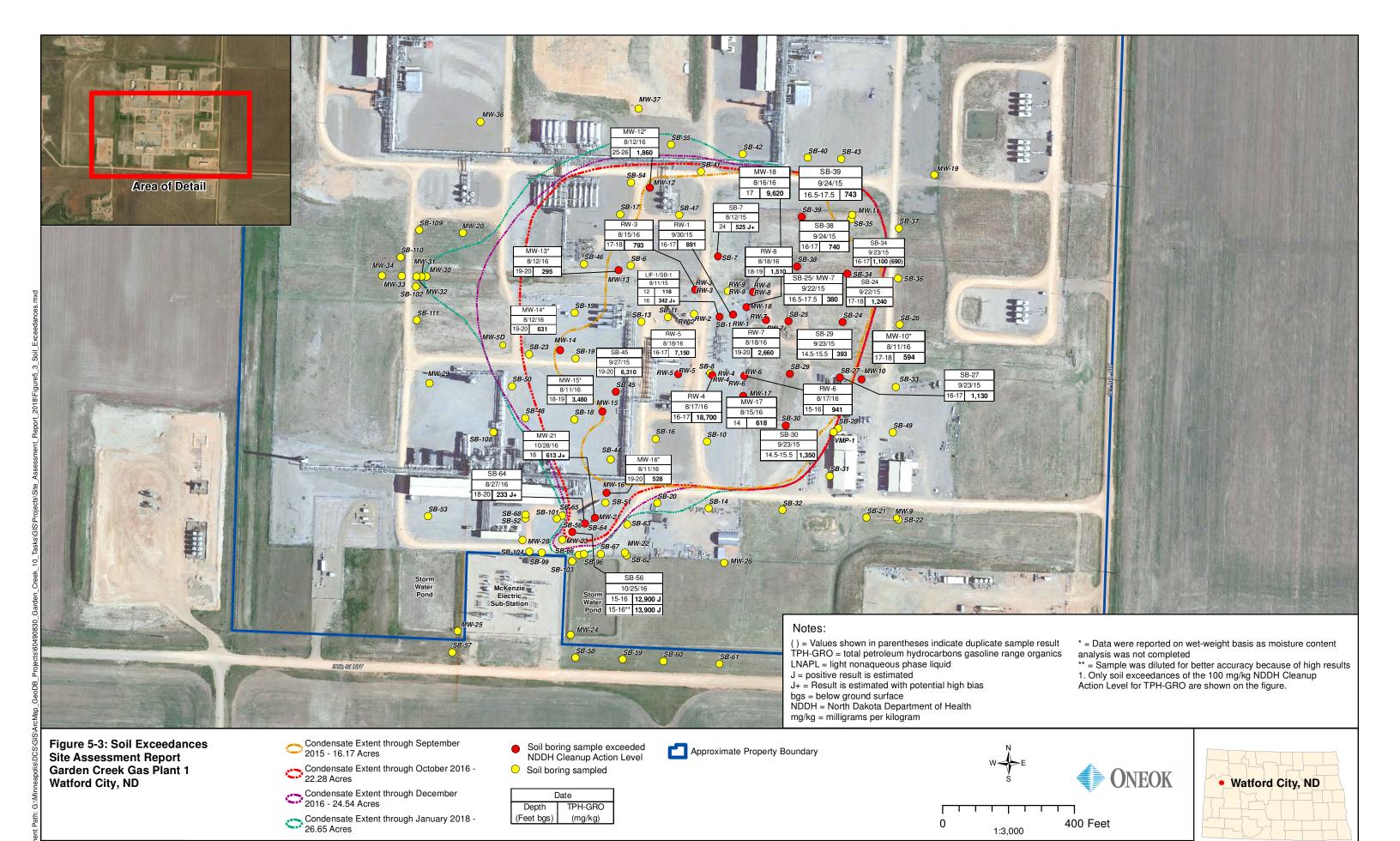


Drafted: 11/17/2016 by PBS

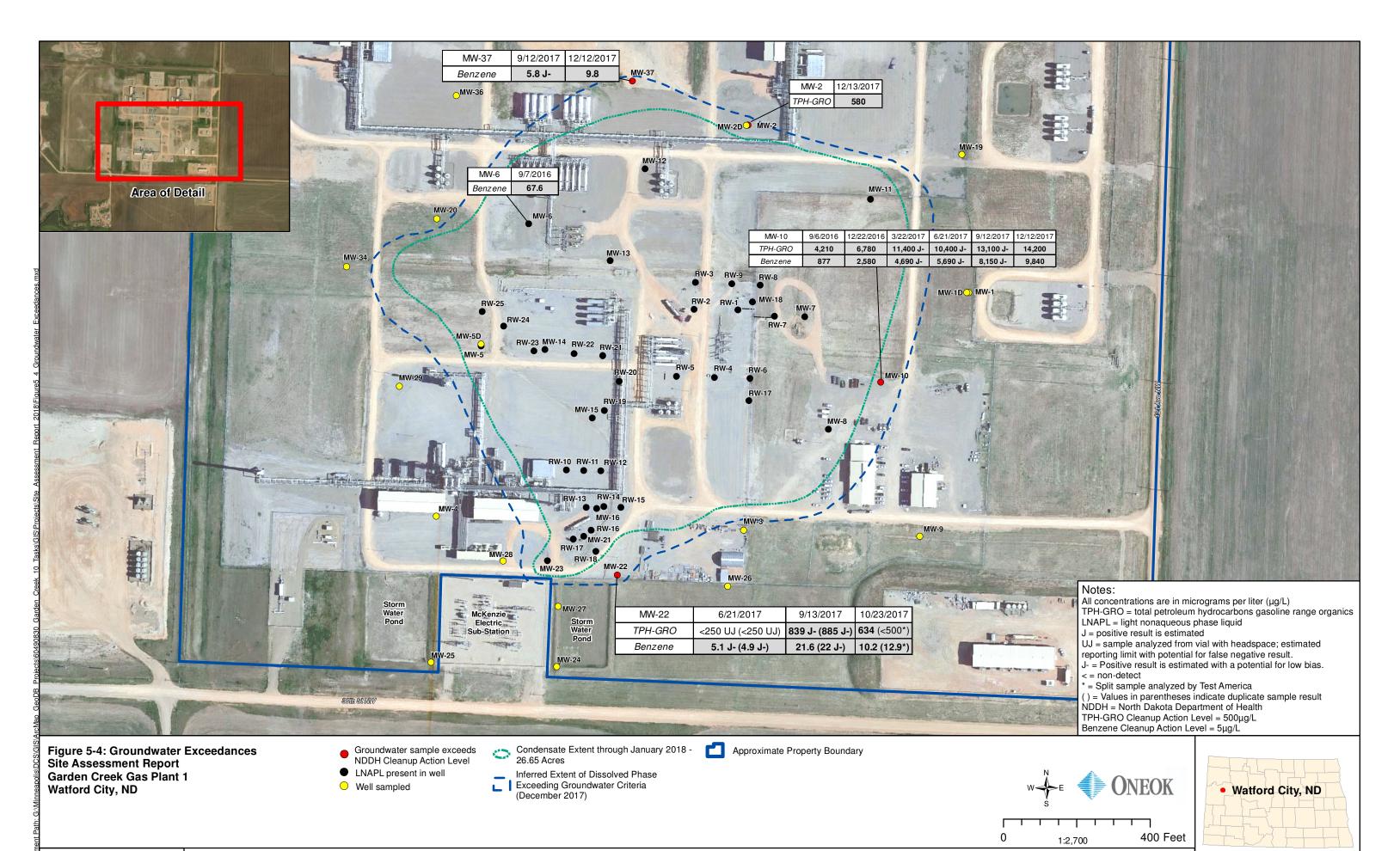
### Acronyms:

ags = above ground surface bgs = below ground surface PVC = polyvinyl chloride





Drafted: 8/15/2018 By JM



Drafted: 8/15/2018 By JM